

FILE 'REGISTRY' ENTERED AT 11:25:08 ON 08 NOV 2002

=> s r125

L1 5 R125

=> s r 125

L2 7 R 125  
(R(W)125)

=> s 12 and refrigerant

L3 0 L2 AND REFRIGERANT

=> d 12 1-7

L2 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2002 ACS

RN 354-33-6 REGISTRY

CN Ethane, pentafluoro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1,1,1,2,2-Pentafluoroethane

CN 1,1,2,2,2-Pentafluoroethane

CN Ecolo Acè 125

CN F 125

CN FC 125

CN Fron 125

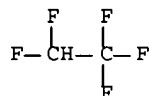
CN HCFC 125

CN HFC 125

CN Pentafluoroethane

CN R 125

MF C2 H F5



=> sel chem 12 6

E1 THROUGH E11 ASSIGNED

=> s r 134a

L4 1 R 134A  
(R(W)134A)

=> d

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 811-97-2 REGISTRY

CN Ethane, 1,1,1,2-tetrafluoro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

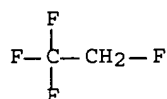
OTHER NAMES:

CN 1,1,1,2-Tetrafluoroethane

CN 1,2,2,2-Tetrafluoroethane

CN AK 134a

CN Arcton 134a  
 CN Ecolo Ace 134a  
 CN F 134A  
 CN FC 134a  
 CN Forane 134a  
 CN Freon 134a  
 CN Fron 134a  
 CN HC 134a  
 CN HCFC 134a  
 CN HFA 134  
 CN HFA 134a  
 CN HFC 134a  
 CN Khladon 134a  
 CN Norflurane  
 CN **R 134a**  
 CN **Refrigerant R 134a**  
 CN SUVA 134a  
 CN TG 134a  
 FS 3D CONCORD  
 MF C2 H2 F4



=> sel chem  
 E12 THROUGH E33 ASSIGNED

FILE 'USPATFULL' ENTERED AT 11:29:08 ON 08 NOV 2002  
 CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE 'IFIPAT' ENTERED AT 11:29:08 ON 08 NOV 2002  
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FILE 'JAPIO' ENTERED AT 11:29:08 ON 08 NOV 2002  
 COPYRIGHT (C) 2002 Japanese Patent Office (JPO)- JAPIO

=> s e1-11

L5 4265 ("ECOLO ACE 125"/BI OR "F 125"/BI OR "FC 125"/BI OR "FRON  
 125"/B  
 I OR "HCFC 125"/BI OR "HFC 125"/BI OR PENTAFLUOROETHANE/BI OR  
 "R 125"/BI OR "1,1,1,2,2-PENTAFLUOROETHANE"/BI OR "1,1,2,2,2-  
 PEN  
 TAFLUOROETHANE"/BI OR 354-33-6/BI)

=> s e12-e33

L6 8406 ("AK 134A"/BI OR "ARCTON 134A"/BI OR "ECOLO ACE 134A"/BI OR "F  
 134A"/BI OR "FC 134A"/BI OR "FORANE 134A"/BI OR "FREON

134A"/BI

OR "FRON 134A"/BI OR "HC 134A"/BI OR "HCFC 134A"/BI OR "HFA  
134"/BI OR "HFA 134A"/BI OR "HFC 134A"/BI OR "KHLADON 134A"/BI  
OR NORFLURANE/BI OR "R 134A"/BI OR "REFRIGERANT R 134A"/BI OR  
"SUVA 134A"/BI OR "TG 134A"/BI OR "1,1,1,2-

TETRAFLUOROETHANE"/BI

OR "1,2,2,2-TETRAFLUOROETHANE"/BI OR 811-97-2/BI)

=> s 15 (p) 16 (p) (methylcyclopropane or cyclobutane or cyclopentane or  
pentane or pentene or butane or butene)

L7 297 L5 (P) L6 (P) (METHYLCYCLOPROPANE OR CYCLOBUTANE OR  
CYCLOPENTAN

E OR PENTANE OR PENTENE OR BUTANE OR BUTENE)

=> s 17 and (refrigerant or azeotrope or blowing agent)

L8 250 L7 AND (REFRIGERANT OR AZEOTROPE OR BLOWING AGENT)

=> dup rem 18

PROCESSING COMPLETED FOR L8

L9 216 DUP REM L8 (34 DUPLICATES REMOVED)

=> s 17 not 19

L10 81 L7 NOT L9

=> s 17 not 110

L11 216 L7 NOT L10

=> d 1-216 hit

=> d 1-216 ibib

L11 ANSWER 42 OF 216 USPATFULL

ACCESSION NUMBER: 2001:144229 USPATFULL

TITLE: Refrigerant composition and refrigerating apparatus

INVENTOR(S): Takemasa, Kazuo, Ohta-shi, Japan

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001017364	A1	20010830
	US 6363741	B2	20020402
APPLICATION INFO.:	US 2001-824406	A1	20010402 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-557933, filed on 14 Nov 1995, ABANDONED Continuation of Ser. No. US 1994-277474, filed on 19 Jul 1994, ABANDONED		

L11 ANSWER 197 OF 216 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:290349 CAPLUS

DOCUMENT NUMBER: 124:320731

TITLE: Refrigerant compositions

INVENTOR(S): Powell, Richard Llewellyn; Corr, Stuart; Murphy,  
Frederick Thomas; Morrison, James David

PATENT ASSIGNEE(S): Imperial Chemical Industries Plc, UK

SOURCE: PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9603473	A1	19960208	WO 1995-GB1737	19950724

L11 ANSWER 214 OF 216 IFIPAT COPYRIGHT 2002 IFI  
AN 2163302 IFIPAT;IFIUDB;IFICDB  
TITLE: FLUORINATED HYDROCARBON LUBRICANTS FOR USE WITH  
REFRIGERANTS IN COMPRESSION REFRIGERATION  
INVENTOR(S) : Cripps, Harry N, Hockessin, DE

	NUMBER	PK	DATE
PATENT INFORMATION:	US 5032306		19910716

STN INTERNATIONAL LOGOFF AT 11:40:19 ON 08 NOV 2002